

ELECTROSTATIC DISCHARGE PROTECTIVE CIRCUITRY EQUIPPED WITH A COMMON DISCHARGE LINE

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ABSTRACT OF THE INVENTION

A semiconductor device having an electrostatic discharge protective circuitry adapted to a common discharge line (CDL) is disclosed. In the embodiments of the present invention, the 10 semiconductor device includes a plurality of bonding pads, each having at least one connecting terminal, a common discharge line, and a protective device connected between the connecting terminal and the common discharge line. Moreover, the protective device composes of a silicon-control-rectifier that is used for electrostatic discharge 15 protection and a zener diode for lowering a trigger voltage of the silicon-control-rectifier.